

PHILIPS

25 ML 8305
28 ML 8605



Matchline Colour Television

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PHILIPS



About this Handbook

This is a handbook to help you with the installation and operation of your new menu TV.

With a menu TV, menus can be called up on the screen. These menus provide information either about operations to be carried out or about functions you can select.

This handbook consists of two parts :

Installation

This part helps you with installing your TV, selecting your menu language, locating and storing your TV channels and composing your favourite list of programme-numbers. To do this, follow the directions of the **INSTALL** menu very closely and step by step. The installation menu is shown as it will appear on your screen.

INSTALL	
a ■	language
b ■	installation
c ■	favourite
select: a-c off	

Operation

After you have stored the TV channels, you can call them up on the screen. You can adjust the picture and sound via the main menu. The **MAIN MENU** is shown here as it will appear on your screen. Feel free to try out all the different possibilities of your TV. Use this part of the handbook to help you in doing this.

MAIN MENU	
a ■	picture
b ■	sound
c ■	recording source
d ■	special features
e ■	programme list
select: a-e off	

- This circle in front of a sentence indicates that you have to **do** something.
- ▷ This arrow in front of a sentence indicates the **result** of what you have done.

In the stripe under each menu you are told which keys you can press and how you can switch the menu off again.

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Operation

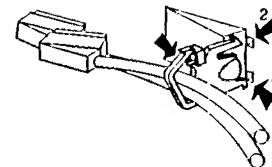
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
1 Preparation

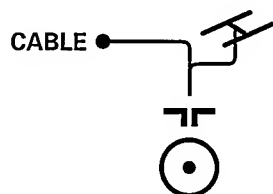
Place the TV on a solid surface.
For ventilation, leave a space of at least 5 cm. free all around the set.

This TV requires a mains voltage of 220 V - 240 V.

The hook supplied with your TV for supporting the eurocable can be snapped into the backcover of your TV.
Insert the aerial plug tightly into the aerial socket  at the back of the TV with an aerial cable of good quality.



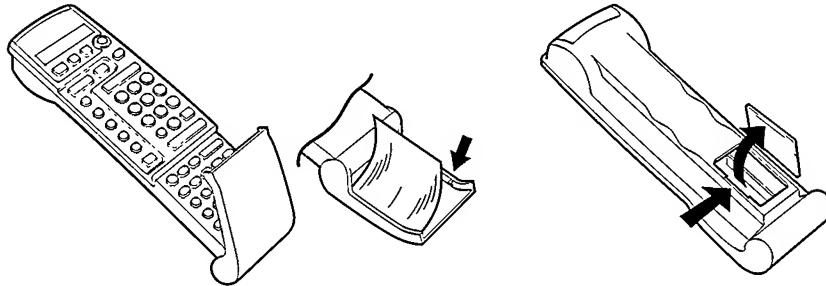
In case of picture-interference you can improve the picture quality by using the suppressor-aerial-cable supplied.
Insert the cable into the aerial input  of your TV and connect it with the aerial plug of your antenna.



Insert the mains plug in the wall socket.

Remote control

This remote control has been developed to operate your TV.
However some main functions of your audio and video equipment
from our product programme are controllable as well.



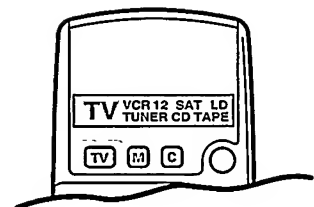
Rip off the label, written in your language from the label sheet,
supplied with these instructions, click it onto the inside surface of the
door of the remote control.

Remove the cover of the battery compartment on the back of the
remote control.

Insert the 2 batteries supplied (type R03-1,5V).

Click the cover back into place.

- Press the **TV** key under the display.
- ▷ In the window of the remote control the letters **TV** appear in a grey block.
- Press **C**.



You can now operate your TV with your remote control.

Go on to 2.

2 Switching TV on

- Press the switch ① on the front of your TV set.
- ▷ A green or red lamp lights up.

green ①or red ②

- ▷ The TV is switched on.
The screen lights up.

Go on to 3.

The TV is switched on but the screen stays dark. Your TV is on standby.

- Press the TV key on the remote control.
- Press C.
- ▷ The green lamp lights up and blinks every time you press a key on the remote control.
- ▷ The TV switches on.
The screen lights up.

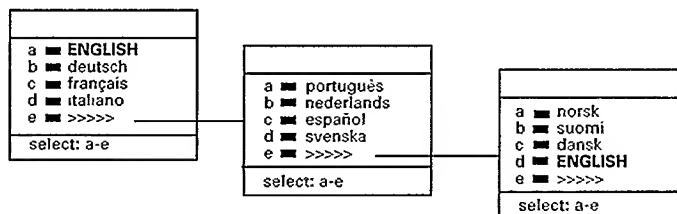
Go on to 3.

3 Selecting your menu language

You can choose for yourself the language of the menus - the instructions and the various possible choices - which you call up on your screen.

- Open the control panel cover on the front of your TV.
- Press Install.
- If the message CHILD LOCK ON appears, the child lock should be switched off.
See Special Features, p. 14.
- ▷ The Install menu appears on the screen.
- Press the red key a on the remote control.
- ▷ The language menu appears on the screen.

INSTALL	
a	language
b	installation
c	favourite
select: a-e off	



- Press the colour key of your language choice.
- Press the corresponding colour key for >>>> if the language you want does not appear on the language menu.
- ▷ LANGUAGE STORED appears for a moment at the top of the menu.
The language menu disappears and the Install menu appears again.
From this point on, all menus are presented in the language of your choice.

Go on to 4.

*Have you pressed the wrong key?
Press the red key a for language again and make a new choice.*

Searching for and storing TV channels

After you have switched on your TV and selected your menu language, you can search for and store your TV channels. Within the installation menu you yourself assign each of these TV channels a number and a name of your own choice, which are then used to call the channels up for viewing.

- Press the green key b.
- ▷ The INSTALLATION menu appears.

*Is the menu that appears not in your chosen language ?
Press MENU and go back to 3. Select your menu language.*

Now follow very closely and **step by step** the instructions of the INSTALLATION menu. You must go through every step. Do this for every TV channel.

INSTALL	
a	language
b	installation
c	favourite
select: a-c off	

INSTALLATION	
step.....	a system
step.....	b search
step.....	c programme number
step.....	d programme name
step.....	e store
select: - + a-e menu off	

step 1 Selecting the TV system

The television picture is not broadcast in the same way in all countries. We speak of different television systems (PAL, SECAM, NTSC,.....). Now you must select the TV system **yourself**.

- Press the red key a.
 - ▷ The SELECTING THE SYSTEM menu appears.....**Or** ONLY ONE SYSTEM AVAILABLE appears.....
- 1** You have your own aerial.
- Press the colour key of the country or part of the word from where you want to select the TV channel.
 - ▷ The INSTALLATION menu now appears.
 - ▷ Your selection lights up.
- 2** You are connected to the cable system.
- Press the colour key of the country or part of the world where you now are located.
 - ▷ The INSTALLATION menu now appears.
 - ▷ Your selection lights up.

Go on to step b.

If you have pressed the wrong key, then repeat step a.



step Searching for a TV channel


This can be done in two different ways :
Either automatic searching or else entering a frequency yourself.

Automatic searching..... **OR** Entering a frequency yourself.....

The TV itself searches for the channel.

- Press the green key **b**.
- ▷ **SEARCHING** appears and the TV is searching for a channel.
- ▷ The frequency increases until a channel is found.

Go on to step **c** if you want to store the channel that has been found.

- Press  under the door of the remote control to recognise which programme is being broadcast.
- ▷ The **INSTALLATION** menu disappears temporarily.

Do you want a different channel or is the reception poor ?

- Then press the green key **b** again.

Is the reception still poor ? See Tips, p. 30.

If no TV channel is found, interrupt the automatic searching by pressing any digit key. Check if you have selected the correct TV system or if the aerial is connected properly.

A TV channel is transmitted at a certain frequency.

If you know the frequency, you can enter it directly and in this way call up the TV channel. Ask for a list of the frequencies at your cable company or at a dealer.

- First enter the 5 digits of the desired frequency
- For frequencies under 100 Mhz, first enter a 0.
For example : 063.25

*Have you entered a wrong number ?
First complete the frequency with arbitrary numbers and then start again.*

Fine-tuning

You may be able to improve the reception of picture and sound of a TV channel. Adjust the frequency yourself with the **P-** or **+** key on the remote control.

Go on to step **c**.

step Entering the programme number

Now you **yourself** must assign a programme number of your choice to the TV channel located. In this way you decide for yourself the order of all your TV channels.

With the assigned programme number you can call up your TV channel again later.

- o Press the yellow key c.
- o Hold down the **P** - or + key on the remote control until the desired programme number appears in the menu.

Go on to step d.

step Entering the programme name

A name of maximum 5 letters or numbers can be given to the programme numbers 0 to 29. For example : SUPER, BBC 1, ... Thus you see immediately which TV channel you have stored under which programme number.

- o Press the blue key d.
- ▷ NAMING THE PROGRAMME appears.

In this list you can enter the name of the TV channel.
With the arrow under the letter and number line you select which letter or which number in the list above you wish to enter.
In the list there is a white block next to the chosen programme number.

- o Hold, as desired, either the red key a down to move the arrow to the left, or else the green key b to move the arrow to the right.
- ▷ The letter or number that you indicate with the arrow appears in the block.
- o Press the yellow key c.
- ▷ The block moves over one space.
- Now you can choose a following letter or number with the arrow.
- o Place the arrow between z and 0 for a space.

0	
1	E
2	
3	
4	
5	
6	
7	
8	
9	
ABCDEFGHIJK....XYZ 012345....89	
	↑

Did you fill in a wrong letter or number ?

Press repeatedly on the yellow key c until the block is back in the place where you want to make a change.

Now choose with the arrow the correct letter or the correct number.

Is the complete name filled in ?

- o Press the blue key d.
- ▷ The **INSTALLATION** menu appears again.

Go on to step e.

step Storing steps **a** to **d**

Now the TV system, the located TV channel, its programme number and its programme name must be stored in the memory.

- Press the white key **e**.
- ▷ **PROGRAMME STORED** appears briefly at the top of the menu.
- ▷ The TV channel is stored in the memory.

repeat

Do you want to store another TV channel ?

- Then repeat steps **a-b-c-d-e**.

Are you connected to the cable system ?

- Then begin immediately with step **b**. You have already selected the TV system in step **a** for all channels.

out

Do you want to exit the **INSTALLATION** menu or have you finished ?

- Press **MENU**.
- ▷ The **INSTALL** menu appears.

5 Favourite TV channels

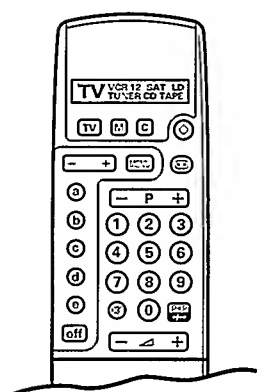
During the installation all the stored TV channels have been automatically placed into the favourite list. In the FAVOURITE menu you yourself should indicate for each TV channel if you want to keep that TV channel as a favourite. This will make selecting only your favourite TV channels a lot easier and faster.

- Press the yellow key c in the INSTALL menu.
- ▷ The FAVOURITE menu appears.
- Press the red key a.
- ▷ PROGRAMME NUMBER lights up.
- Select the programme number of a TV channel with MENU - or + or with the digit keys.
- Press the green key b.
- ▷ FAVOURITE STATUS lights up.
- Press MENU - or + to select NO or YES.
In this way you decide whether you want to keep the selected TV channel as a favourite TV channel or not.
- Press off again if you have finished selecting TV channels in the favourite list.
- ▷ From now on when you run quickly through the TV channels by holding the P - or + key pressed down, only those TV channels which are in the favourite list will be displayed.
When you select a TV channel with the digit keys, the indication of the selected TV channel will be displayed in white characters when it is a TV channel from the favourite list, in red characters when it is a TV channel which is not in the favourite list.

FAVOURITE	
a ■	programme number
b ■	favourite status
select: a-b menu off	



Operation



The letters TV in the display of the remote control must be in a grey block if you want to operate your TV.

If this is not the case, first press the TV key under the display and then press C.

Every time you press a key on the remote control, the green lamp ① on the front of your TV set blinks.

Switching TV on

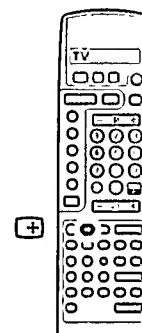
- Press ① on the front of your TV.
- ▷ A green lamp ① lights up. PR1 appears briefly and possibly also the programme name.
- ▷ Does a red lamp ⏻ light up? Your TV is on standby. Read on.

Standby

- With the standby key ⏻ at the top of the remote control you can temporarily switch the TV off.
- ▷ The lamp ⏻ on the TV lights up.
- Press the C-key below the display in order to turn the TV on again. If for a period of 10 minutes no aerial signal is received, then your set automatically switches to standby. Switch off your TV overnight instead of leaving it on standby. You save energy and the picture tube is demagnetised which supports good picture quality.

Selecting TV channels

- Select the TV channel with the digit key on the remote control.
- For a two-digit programme number, enter the second digit within 2 seconds.
- If you want to know which channel you are watching, open the door of the remote control and press short.



- Quickly run through the TV channels from the Favourite list.
- Hold the P - or + key pressed down.

Volume control

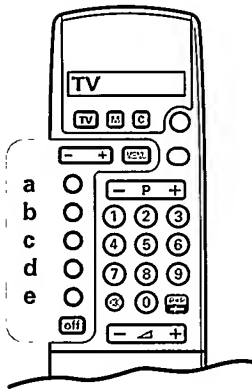
- Press - or +.

Temporarily interrupt the sound

- Press .
- ▷ The sound is temporarily interrupted.
- ▷ The lamp on the front of the TV lights up.
- Press again to get the sound back.



Main Menu



You use the keys in the grey area of the drawing to operate the main menu.

With the colour keys a-b-c-d-e you select your choice in the menus.

In the main menu you can :

- . adjust **picture** and **sound** according to personal preference
- . select **recording source** for your video recorder
- . select from among various **special features**
- . call up a **programme list** with an overview of the TV channels stored.

MAIN MENU	
a	picture
b	sound
c	recording source
d	special features
e	programme list
select: a-e off	

- o Press MENU.
- ▷ The MAIN MENU appears.
- o Press off to switch off each menu.

Adjusting the picture

- o Press MENU.
- o Press the corresponding colour key for PICTURE.
- ▷ The PICTURE menu appears
- o Press one of the colour keys to select the adjustment you want for regulate.
When USA is selected in Selecting the TV system, see p.5, also the option tint appears.
- ▷ The selected alignment lights up.
- o Press MENU - or + in order to regulate the selected adjustment.
- o Press a colour key once more in order to select another adjustment.

PICTURE	
a	brightness
b	colour
c	contrast
d	sharpness
e	tint
select: a-e menu off	

Do you want to store the changed adjustment in the memory ?

- o See Special Features, PP store, p. 14.

- o Press MENU.
- ▷ The MAIN MENU appears again.

Adjusting the sound

- Press MENU.
- Press the corresponding colour key for SOUND.
- ▷ The **SOUND I** menu appears.

Volume, balance, treble, bass

- Press one of the colour keys to select the adjustment you want to regulate.
- ▷ The selected adjustment lights up.
- Press MENU - or + in order to regulate the selected adjustment.
- Press a colour key again to select another adjustment.


Do you want to store the modified adjustment in the memory ?

- Press MENU.
- ▷ The MAIN MENU appears.
- See Special Features, PP store, p. 14.


Speech

- Press the white key e in the **SOUND I** menu.
- ▷ The **SOUND II** menu appears.
- Press the corresponding colour key for SPEECH.
- ▷ **SPEECH** lights up.
- Press MENU + to reveal the treble and to suppress the bass.
- Press MENU - to switch off.




Spatial sound

- Press the corresponding colour key for SPATIAL in the **SOUND II** menu.
- ▷ **SPATIAL** lights up.
- Press MENU - or + to switch off or on.
- ▷ When **SPATIAL ON** is selected, it seems as though the loudspeakers are spread further apart from one another. You get a spatial sound effect.
- ▷ The lamp  on the TV lights up.

Mono broadcasting :

- Select **SPATIAL ON**.
- ▷ The lamp  on the front of the TV lights up.
- ▷ You get a pseudo stereo effect.

Stereo broadcasting :


- ▷ The lamp  lights up.
- Select **SPATIAL ON**.
- ▷ The lamps  and  light up.
- You get a spatial stereo effect.

SOUND I	
a	■ volume
b	■ balance
c	■ treble
d	■ bass
e	■ speech
select a-e menu off	

SOUND II	
a	■ speech
b	■ spatial
c	■ sound mode
d	■ stereo
select a-d menu off	



Sound mode

- Press the corresponding colour key for **SOUND MODE** in the **SOUND II** menu.
 - ▷ **SOUND MODE** lights up.
 - ▷ If the TV channel which you are now watching transmits stereo or digital sound you can choose between :
 - . **stereo** or **mono** if the TV channel transmits *stereo* sound
 - . **digital** or **analogue** if the TV channel transmits *digital* sound.
 - Select **analogue** in case of weak digital sound signals.
 - Press **MENU** - or +.
 - Mono is displayed and there is no choice when the TV channel only transmits mono sound.
 - ▷ The lamp  on the front of the TV lights up when stereo or digital sound is selected and transmitted.
-
- Press **MENU**.
 - ▷ The **MAIN MENU** appears again.



Recording Source

If you want to record a programme, then first read Peripherals, Recording, p. 29.

Special Features

- Press MENU.
- Press the corresponding colour key for SPECIAL FEATURES.
- ▷ SPECIAL FEATURES appears.
- Press a colour key in order to choose between child lock, sleeptimer, pp store, demonstration or pip size, (for the sets with the picture in picture option).
- ▷ Your choice lights up.
- Press once more on a colour key to make another choice.

SPECIAL FEATURES	
a ■	child lock
b ■	sleeptimer
c ■	pp store
d ■	demonstration
e ■	pip size
select a-e menu off	

Child lock

If the child lock is on, the TV can only be switched on with the digit keys on the remote control. The keys on the TV cannot be used.

- Press the corresponding colour key for CHILD LOCK.
- Press MENU - or + to switch the child lock off or on.

Sleeptimer

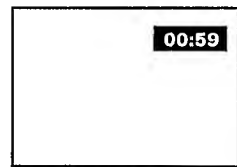
With the aid of the sleeptimer you can set the time when the TV should switch itself off.

- Press the corresponding colour key for SLEEPTIMER.
- Hold the key MENU + pressed down.
- ▷ The counter runs from off up to 90 minutes.
- Hold the key MENU - pressed down.
- ▷ The counter runs from 90 down to off.

If you have set a time, then one minute before the TV switches off the remaining minute automatically appears on the screen.

You can always switch off your set earlier.

Up to the last minute you can always change the time set.



PP store

Adjustments made in the picture- and sound menu can be stored in the memory and be called up again with the green PP-key.


- Press the corresponding colour key for PP-STORE.
- ▷ PP-STORE lights up and PERSONAL PREFERENCE STORED appears briefly on the top of the menu.

At this point all previous adjustments are cancelled.

See also Other functions, p.16.

Demonstration

This function demonstrates one after another all the possible options of your TV.

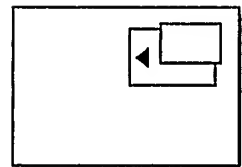
- Press the corresponding colour key for DEMONSTRATION.
- Press the standby key  at the top of the remote control in order to stop the demonstration.

Pip size

If your set is equipped with pip, picture in picture, you can choose between large and small format.

- Press the corresponding colour key for PIP SIZE.
- Press MENU - or +.

For more information about Pip, see Pip, Picture in Picture, p.18.



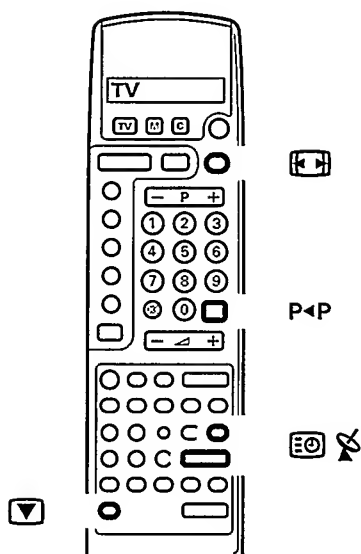
Programme List

- Press MENU.
- Press the corresponding colour key for PROGRAMME LIST.
- ▷ A list with an overview of the stored TV channels appear.
TV channels from the favourite list are displayed in white characters.
TV channels which are not in the favourite list are displayed in red characters.
- Press MENU.
- ▷ The MAIN MENU appears again.

- Press off.
- ▷ The MAIN MENU disappears.

(



Other functions



Movie compress

Movies and other new programmes in the future are broadcast in the Wide Screen format.


D2-MAC satellite programmes in the Wide Screen format recorded on a video recorder or prerecorded Wide Screen tapes can be reproduced on a normal TV screen in a conventional picture format.

- Press .
- ▷ The picture is compressed.
There are black bars at the top and bottom of the screen.
- Press  again to switch off movie compress.

When you have a Wide Screen format video recorder connected with a eurocable, the pictures will be compressed automatically.





Previous programme

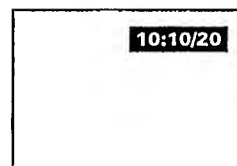
- Press the P<P key.
- ▷ The previous selected TV channel is displayed again.
The  indication has a video recorder function.

Time


The time can only be called up if the TV channel you are watching is also broadcasting teletext.

Teletext does not need to be switched on.

- Open the door of the remote control.
- Press .
- ▷ The time appears in the upper right hand corner of the screen.
- Press  again in order to switch off.





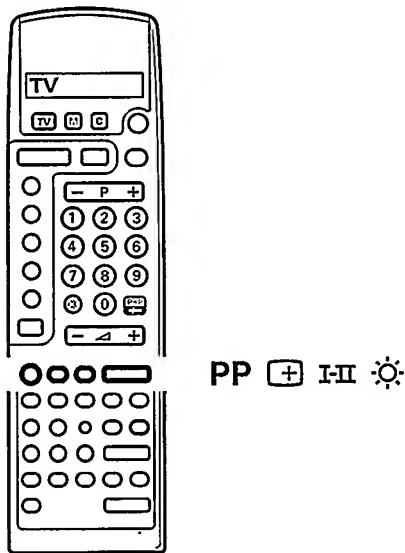
Selecting satellites

The keys  - and + are only functional when having connected a satellite tuner (e.g. STU909) in combination with a satellite positioner (e.g. SCC202) and an automatically rotatable polarmount antenna to select satellites.

Freezing the picture

When watching you can freeze the picture at any moment.

- Press .
- Press  again to return to normal picture.



PP key

With the green key you can call up again the picture and sound adjustments which have been stored with the **PP** store in the Special Features menu, p.14.

- o Open the door of the remote control.
- o Press PP.

Information on screen

After the selection of a TV channel the following information appears briefly on your screen :

- . the programme number and name of the selected TV channel
 - . DIGITAL SOUND AVAILABLE if the TV-station transmits digital sound
 - . the actually selected sound mode if the TV-channel transmits stereo or digital sound
 - . the name of the pip connection if pip is switched on.
- See Pip-Picture in Picture, p.18.

PR1 BBC1

- o Open the door of the remote control.
- o Press **+** short.
- ▷ The channel information appears on the screen for a few seconds.
- ▷ If the sleeptimer is on, then the remaining time becomes visible.
- o Press **+** long.
- ▷ The information appears on the screen for a few seconds and the permanent programme number remains in the upper right hand corner of the screen when it was off, or disappears when it was on.

00:59

Bilingual Broadcast

If you are watching a TV channel which is being broadcast in two languages, dubbed and original language, then lamp **I** or **II** on the front of your TV lights up.

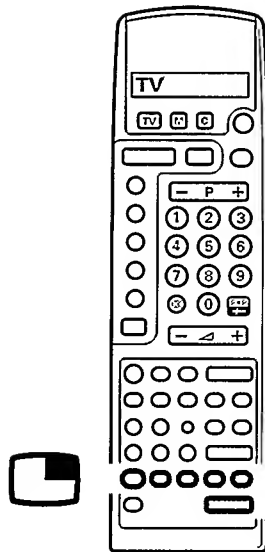
- o Open the door of the remote control.
- o Press key **I-II** and select language **I** or **II**.

I-II

Brightness

- o Open the door of the remote control.
- o Press **☼** - or + in order to adjust the brightness.



Pip - Picture in Picture

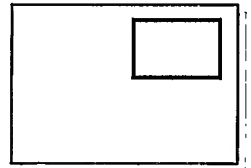


For TV sets with the Picture in Picture option.


With pip, picture in picture, you can call up a little screen within the main TV screen. Thus at the same time you can watch a programme from other equipment, connected with a eurocable. The picture in the small screen has no sound.

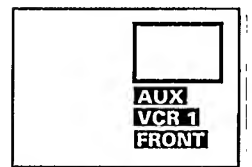
Switching pip on and off

- Open the door of the remote control.
- Press .
- ▷ The pip screen appears and the image is the same as in the main screen.
- ▷ The name of the pip programme appears briefly on the main screen.
- Press  again to switch pip off.




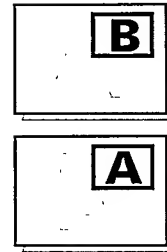
Selecting pip connections

- Press  repeatedly.
- ▷ The name of the connections appear.
If any other electronic unit is connected and switched on, then its programmes appear in the pip screen.
Select on your video recorder the TV channels which you have stored in it.
For connecting equipment to AUX, VCR, FRONT, see Peripheral Equipment, p. 23.





Switching screens


- Press .
- ▷ The main screen and the pip screen exchange places.
If the TV channel is only in the pip screen and not in the main screen, then use - P + of the pip keys in order to change your TV channel in the pip screen.

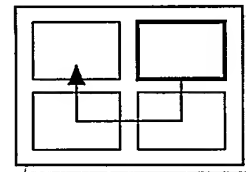


Still Picture

- Press .
- ▷ The picture in the pip screen stands still.
Even when pip is not switched on, the main screen will appear as a still picture in the pip screen.
- Press  again or select another channel in the pip screen in order to cancel the still picture.

Moving the Pip screen

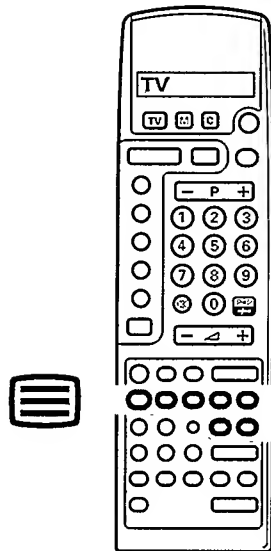
- Press .
- ▷ Each time you press this key, the pip screen moves to another corner of the main screen.



Pip Size

You can select either large or small pip screen.
See Main Menu : Special Features, p.14.

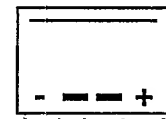
Teletext



Most TV channels broadcast information via teletext. Each channel which broadcast teletext transmits a page with information on how to use its teletext system. Look for the teletext page with the index (usually page 100). TV programmes are sometimes subtitled for the hard of hearing. Depending on the TV channel, teletext is transmitted in different systems : WST, TOP, FLOF. The system utilised is indicated in the options line at the bottom of the screen.



WST




TOP




FLOF

Switching Teletext On and Off

- Select the TV channel for the desired teletext broadcast.
Teletext cannot be switched on when there is a menu on the screen.
- Open the door of the remote control.
- Press  in order to switch on the teletext.
- The contents appear on the screen together with an information line at the top and an options line at the bottom.

In the information line appears :

- . the number of the page transmitted or requested
- . the page counter
- . name of the TV channel
- . date and time
- . only P100 if there is no teletext broadcast.

- Press  again in order to switch off the teletext.
- The TV channel reappears.

Selecting a Teletext Page

With a direct page selection.....OR With the options line.....

- Enter the desired page number with the digit keys.
- The page counter seeks the page.
- If the counter keeps searching, then the page is not available.
- Select the desired subject within the corresponding colour key.
- The selected subject consists of a page and a new options line.
- With the red key a or the blue key d select either the previous or the following page, indicated in the options line with a red - and a blue +.

Does P ?.. appear or have you entered an incorrect number ?

First complete the number with random figures and then again enter the correct page number.

Selecting the table of contents




- Press the white colour key e.
- The table of contents will appear.

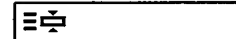
Special teletext functions

Hold

A selected page number sometimes contains automatically rotated subpages.



The total number of subpages and the subpage displayed are indicated on the screen. For example : 1/4.

- Press  in order to hold a subpage.
- ▷  appears in the information line.
The information in this subpage is not being updated by the teletext editorial office.
- Press  again.
- ▷ The subpages rotate again.






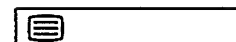
Reveal

Some pages contain concealed information, such as solutions to riddles and puzzles.



- Press  to call up concealed information.
- Press  again in order to switch off the concealed information.

Interrupt



- Press .
- ▷ The TV channel appears.
- ▷  indicates that you are still in the teletext mode.
Before interrupting teletext, you can select a page number.
When the page has been found, the information line appears briefly on your screen.
- Press  again.
- ▷ Teletext reappears.



Mix

- Press .
- ▷ The teletext page is superimposed over the programme on the screen.
- Press  again.
- ▷ Only the teletext page is displayed.





Enlarge

- Press  to enlarge the top half of the teletext page.
- Press  again to enlarge the bottom half of the teletext page.
- Press once more to return to normal page size.



Subpage

By adding a subcode you can call up a subpage and hold it.

- Enter the page number.
- Press .
- Enter the subpage with 4 digits : e.g. 0003 for the third page of seven subpages.
- Press .
- ▷ The TV channel appears.
The information line appears as soon as the subpage has been found.
- Press  again.
- Press  in order to cancel the subcode.


Subtitles and newsflashes

- Select the contents page (usually page 100).
- Select the page number for subtitles or newsflashes.
- ▷ Subtitles of newsflashes, if there are, appear at the bottom of the TV.


Teletext preference list

Storing personal preference pages

You can store 20 preference pages in the teletext page memory.

- Select your TV channel.
- Press .
- Press **Install** on the control panel on the TV.
- ▷ **TELETEXT PAGE MEMORY** appears.
- ▷ A white bar, the cursor, appears on the first line of the list.
- Hold the green key **b** pressed down until the white bar appears on the first free line of the list.
- ▷ The programme number of the selected TV channel appears.
- Enter the page numbers that you want to store.
- Press the white key **e** in order to store the pages.
- ▷ The last displayed teletext page appears again.

Storing teletext pages from other TV channels.

- Press  to switch off teletext and start again.

Use the remaining colour keys for the following functions :

Moving the white bar upwards.

- Press the red key **a**.



Adding a preference page between two pages that have already been stored.

- Place the white bar on the line where you want to enter a preference page.
- Press the yellow key **c**.
- ▷ The preference pages already stored move down one line.
- Enter the page number.


Removing a preference page.

- Place the white bar on the line that you want to remove.
- Press the blue key **d**.

Calling up the preference list

- Select your TV channel.
- Press .
- ▷ Teletext is on.
- Press .
- ▷ **TELETEXT PAGE MEMORY** is displayed.

Calling up the preference pages

- Select your TV channel.
- Press .
- ▷ Teletext is on.
- Press **MENU**.
- ▷ The first preference page of the selected TV channel is displayed.

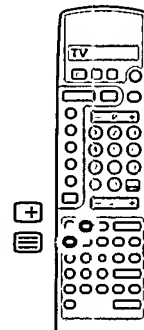
In the option line below appears :

. in red : the previous retrievable page

. in white : the page on screen

. in blue : the following retrievable page

- Press the red key **a** or the blue key **d**.
- ▷ The previous or the following page, respectively, will be displayed.
- Press the white key **e** in order to call up again the first preference teletext page of the selected TV channel.
- Press **off**.
- ▷ The preference teletext pages are switched off.



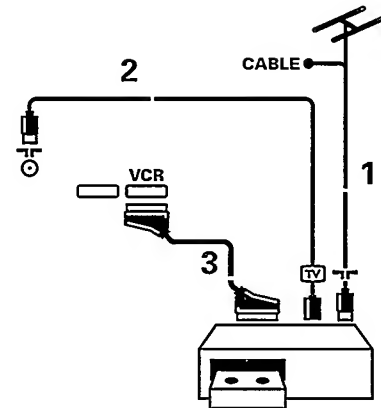
Peripheral Equipment

There is a wide range of electronic equipment that can be connected to your TV.

The following connection diagrams show you where the different equipment should be connected at the back of the TV.

TV and video recorder

- Connect the aerial cables 1 and 2 as shown alongside. A better picture quality is obtained if you connect a eurocable 3 additionally.

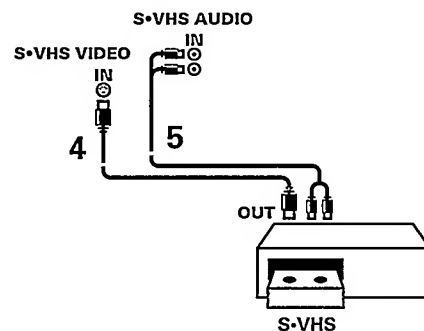


S-VHS video recorder

- Do you have a S-VHS video recorder with S-VHS cinch connectors, then connect as well as the aerial cables 1 and 2

the S-VHS cables 4 and 5.

do not connect an additional eurocable.



OR

- Do you have a S-VHS video recorder with a S-VHS euroconnector, then connect as well as the aerial cables 1 and 2, the S-VHS eurocable 3.

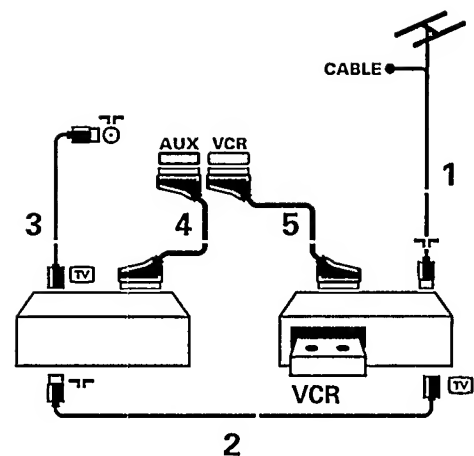
Never connect one video recorder with S-VHS cables at the same time as one video recorder with a euroconnector to the same TV.

Searching for and storing the test signal of the video recorder

- Unplug the aerial cable of the aerial socket 1 of your video recorder.
- Switch on your TV and video recorder.
- Open the control panel cover on the front of your TV.
- Press **Install**.
- The **SYSTEM INSTALLATION** menu appears.
- Search for the test signal of your video recorder in the same way as you searched for and stored the TV channels. See Installation, Searching for and storing TV channels.
- Store the test signal either under programme number 0 or between 50 and 59.
- Insert the aerial plug again into the aerial socket 1 of your video recorder after you stored the test signal.

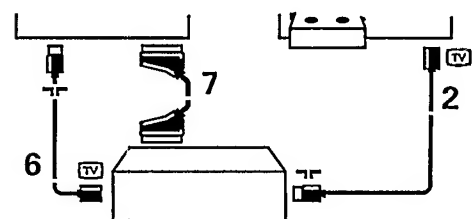
TV, video recorder 1 and one or more peripherals

- Connect the aerial cables 1, 2 and 3 as shown alongside. A better picture quality is obtained if you connect the eurocables 4 and 5 additionally.
- Look for the test signal of your peripheral in the same way as you do for a video recorder.



When having more than one peripheral, connect them to each other with an extra aerial cable 6 and an additional eurocable 7 to obtain a better picture quality.

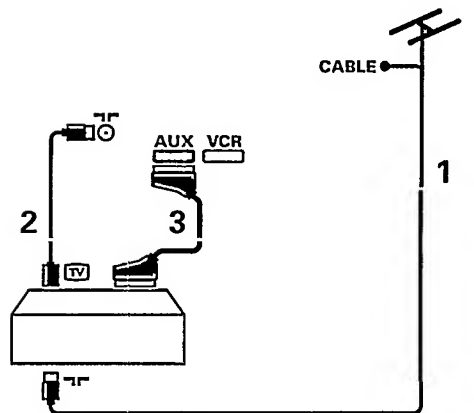
Only with VCR 1 it is possible to record a programme from your TV as well as from other connected equipment.
See Recording with your video recorder, p. 29.



TV and laser disc or satellite tuner


- Connect the aerial cables 1 and 2 as shown alongside. A better picture quality is obtained if you connect the eurocable 3 additionally.

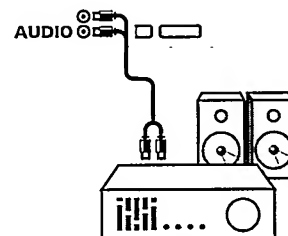
Look for the test signal of your equipment in the same way as you do for a video recorder.



Audio equipment

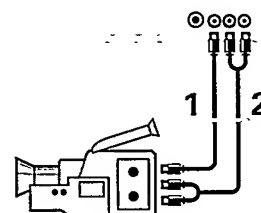
You can listen to your TV sound via your audio equipment.

- Therefor connect the audio cables to the audio input of your equipment and to AUDIO L (white) and R (red) of your TV.
- Press  on the remote control.
- ▷ The loudspeakers of your TV are switched off.






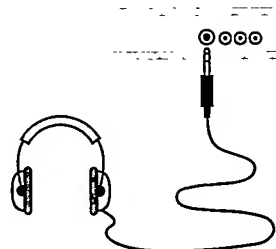
Camera and camcorder

- Connect your camera or camcorder to FRONT at the front of your TV.
- Connect the equipment to VIDEO (yellow) 1 and AUDIO L (white) 2 for mono equipment.
- In the SOUND menu select mono sound. See Main Menu, Adjusting the sound, Sound mode, p. 13.
- Connect AUDIO R (red) 2 for stereo equipment.
- In the SOUND menu select stereo sound.



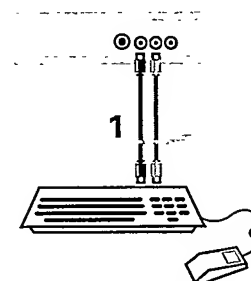
Headphone

- Insert the plug into the headphone socket  at the front of the TV.
 - Adjust the volume with  - or +.
 - Press  on the remote control.
 - ▷ The internal loudspeakers of your TV are switched off.
- The headphone socket has an impedance of between 8 and 4000 Ohm and is of the 6.3 mm jack type.



Computer

- Connect your computer to FRONT at the front of your TV.
- Connect the computer to VIDEO (yellow) 1.
- If your computer has sound then you can connect it to the AUDIO L (white) 2 input.

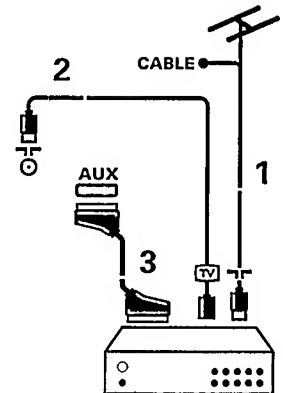


Decoders for terrestrial TV channels

Cable TV offers you a wide choice of programmes. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled. For further information, ask your dealer. See also the booklet supplied with your decoder.

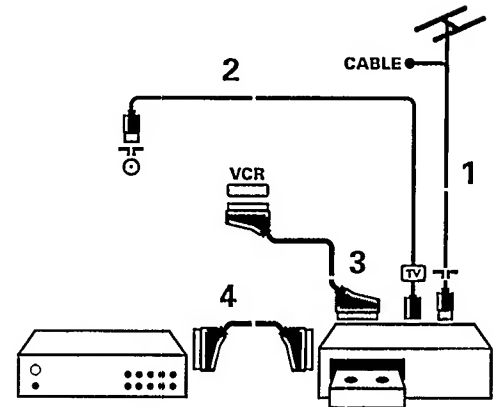
Connecting the decoder to the TV

- Connect the aerial cables 1 and 2 as shown alongside.
When your decoder has a euroconnector you obtain a better picture quality if you connect a eurocable 3 additionally.



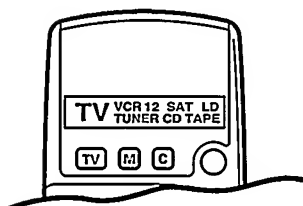
Connecting the decoder to the video recorder

- Some video recorders have a special euroconnector for decoder.
- Connect a eurocable to the euroconnector of your decoder and to the special euroconnector of your video recorder. See also the handbook of your video recorder.
 - To connect your video recorder to the TV, see before.



If you want to connect more equipment to your TV, consult your dealer.

Reproducing Picture and Sound



Most of the audio and video equipment from our range of products can be operated with the remote control.

a. from equipment connected only with an aerial cable

- Switch your TV on.
- With the digit keys select the programme number under which you have stored the test signal.
- Switch on the equipment with the remote control.
- The picture and/or sound is reproduced.

Do you want to watch TV again ?

- Press the **TV** key below the display of the remote control.
- Press **C**.
- Either the picture and/or the sound from the TV channels is reproduced.

b. from equipment connected with an eurocable

- Switch your TV on.
- Switch your equipment on.
- Either the picture and/or the sound is reproduced or descrambled.

If this is not the case :

- Press **M** on the remote control repeatedly until the designation **VCR1**, **VCR2**, **SAT**, **LD**, **TUNER**, **CD** or **TAPE** appears in a grey block.
- Press **C**.
- Either the picture and/or the sound is reproduced.

Do you want to watch TV again ?

- Press the **TV** key under the display of the remote control.
- Press **C**.
- Either the picture and/or the sound from the TV channels is reproduced.

c. from a S-VHS recorder connected with S-VHS cables

- Switch your TV on.
- Press repeatedly on the **M** key of the remote control until **VCR1** appears in a grey block.
- Press **C**.
- Switch your S-VHS recorder on.
- ▷ The picture stored in your video recorder from a pre-recorded cassette or from a TV channel is reproduced.

d. from equipment connected to the front of the TV

- Switch your TV on.
- Hold the key **P** - or + pressed in until the indication **FRONT** appears on the screen.
- Switch your equipment on.
- ▷ The picture is reproduced.
Do you want to watch the TV picture again ?
- Enter the programme number of the TV channel which you want to watch with the digit keys.

Recording with your video recorder

1. Recording a TV programme

only using an aerial cable

- Select the programme number on your video recorder.
- Press record ● under the door of the remote control or on your video recorder.

using a eurocable connected to the euroconnector VCR

- Select the programme number on the TV.
- Press MENU.
- Press the yellow key c.
- ▷ RECORDING SOURCE appears.
- Press the red key a.
- ▷ TV TO VCR is displayed.
- Set your video recorder to record.
(See the handbook for your video recorder.)
- Press record ● under the door on the remote control or on your video recorder.

using a eurocable connected to the euroconnector AUX

- Select the programme number on the TV.
- Set your video recorder to record.
(See the handbook for your video recorder.)
- Press record ● under the door on the remote control or on your video recorder.

2. Recording a programme from connected peripheral equipment

- Switch on the equipment.
- Press MENU.
- Press the yellow key c.
- ▷ RECORDING SOURCE appears.
- With the colour keys select the connection from which you want to record.
- ▷ Your selection lights up.
- Set your video recorder to record.
(See the handbook for your video recorder.)
- Press record ● under the door on the remote control or on your video recorder.


RECORDING SOURCE	
a	TV to VCR
b	AUX to VCR
c	FRONT to VCR
select: a-c menu off	

Tips


Poor Picture

Have you selected the correct TV system ?
Is your TV set or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc. ?
Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the outside aerial.
Is the picture unrecognizable ? Check if you have entered the correct frequency or adjust the frequency by fine tuning. See Installation, p. 5.
Are brightness and contrast out of adjustment ? Press the PP key.
Switch off your TV overnight with ① on the front of the TV.

No picture

Is the aerial connected properly ? Are the plugs tightly connected in the aerial socket ? Is the aerial cable in good condition and does it have suitable plugs ? Are the connection facilities to a possible secondly installed TV in good condition ? If in doubt, consult your dealer.
NO PICTURE means that the selected peripheral equipment is transmitting no picture.
Did you press the correct keys on the remote control ?
Try it once more.
Did you press  again after switching on teletext ?
Has the child lock been switched off ? See Special Features, p. 14.

Sound

Did you perhaps interrupt the sound with the  key ?
Is the sound coming out of only one loudspeaker ? Was the balance perhaps set to one extreme ? See SOUND menu, p. 12.

Remote control

Does your TV no longer respond to the remote control ? Check whether the designation TV appears in a grey block.
Perhaps the batteries are empty. See Preparation, p. 3.

Menu

Did you select the wrong menu ? Once more press MENU or off to exit from the menu.

Connections

Check whether your peripheral equipment is in fact properly connected. See p. 23.
Have you switched on the peripheral equipment ?

No solution ?

Switch your TV set off and then on again.
Never attempt to repair a defective TV yourself.
Check with your dealer or call a TV technician when nothing helps or when :

- ▷ a white horizontal stripe appears across the whole screen.
- ▷ different lamps in front start blinking without having pressed any key on the remote control.



EUROPE
CHANNEL...FREQ. (MHz)

E2	48.25
E3	55.25
E4	62.25

ITALY
CANALE...FREQ. (MHz)

A	53.75
B	62.25
C	82.25

FRANCE
CANAL...FREQ. (MHz)

2	55.75
3	60.50
4	63.75

EUROPE
CHANNEL...FREQ. (MHz)

E5	175.25
E6	182.25
E7	189.25
E8	196.25
E9	203.25
E10	210.25
E11	217.25
E12	224.25

ITALY
CANALE...FREQ. (MHz)

D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25

CANAL...FREQ. (MHz)

5	176.0
6	184.0
7	192.0
8	200.0
9	208.0
10	216.0

Canaux interbande

B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75

EUROPE
CHANNEL...FREQ. (MHz)

S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25

EUROPE
CHANNEL...FREQ. (MHz)

S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25

ITALY
CANALE...FREQ. (MHz)

H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25

21 471.25 |

22 479.25 |

23 487.25 |

24 495.25 |

25 503.25 |

26 511.25 |

27 519.25 |

28 527.25 |

29 535.25 |

30 543.25 |

31 551.25 |

32 559.25 |

33 567.25 |

34 575.25 |

35 583.25 |

36 591.25 |

37 599.25 |

38 607.25 |

39 615.25 |

40 623.25 |

41 631.25 |

42 639.25 |

43 647.25 |

44 655.25 |

45 663.25 |

46 671.25 |

47 679.25 |

48 687.25 |

49 695.25 |

50 703.25 |

51 711.25 |

52 719.25 |

53 727.25 |

54 735.25 |

55 743.25 |

56 751.25 |

57 759.25 |

58 767.25 |

59 775.25 |

60 783.25 |

61 791.25 |

62 799.25 |

63 807.25 |

64 815.25 |

65 823.25 |

66 831.25 |

67 839.25 |

68 847.25 |

69 855.25 |

